Jacob Stanley

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EDUCATION

UNIVERSITY OF MICHIGAN
BSE in Computer Science
December 2023 | Ann Arbor, MI
College of Engineering
Cum. GPA: 3.6 / 4.0

LINKS

Github:// **JacobStanley10**
LinkedIn:// **jacob-stanley10**

COURSEWORK

UNDERGRADUATE
Software Engineering
Computer Security
User Interface Development
Computer Science Pragmatics
Computer Organization
Web Systems
Data Structures and Algorithms
Foundations of Computer Science
Discrete Mathematics
Linear Algebra

SKILLS

PROGRAMMING
Proficient:
C++ • Python • Java • SQL

Intermediate:
React • React Native • VueJS • HTML •
CSS • JavaScript • MATLAB

Basic:
C • AWS • Swift • LaTeX• R • Assembly •
TypeScript • Bash • Go

ACTIVITIES

Project Manager
ATLAS Digital - Tech Consulting
- Communicate with client and lead team to implement the assigned project

IOS Team
Michigan Hackers
- Collaborating on software projects and attending tech talks

Fundraising Committee
The Pearl Project
- Raising funds for the non-profit volunteer organization that assists single mothers and children from underprivileged areas

EXPERIENCE

SALESFORCE | Software Engineering Intern
Summer 2022 | San Francisco, CA
- Developed the foundations for a new internally developed Salesforce Lightning App in the Platform using Java and Bazel. It provides a suite of end-to-end campaign management experiences that enables all marketers' success
- Used Salesforce authorization framework to secure a new setup application behind user permissions and created tests for these using JUnit Framework
- Ensured the quality of new accessibility features in a UI component of a well established Salesforce product

GOOGLE | Software Engineering Intern
Winter 2022 | Seattle, WA (Remote)
- Improved LCP load speed performance by ~30ms for Chrome in C++
- Anticipated link clicks via pointerdown events, to send the target origin to the Browser Process via Chrome's Inter-Process Communication Mechanism
- Made DNS resolutions and TCP handshakes to the targeted origin on the Browser Process
- Replaced Lite-Mode user setting by utilizing Android's API data saver setting, in Java, to include a "Save-data:on" header for requests

UNIVERSITY OF MICHIGAN | Web Systems Teaching Assistant
Fall 2021/2022 | Ann Arbor, MI (EECS 485)
- 500+ student course, teaching a weekly lab section reviewing lecture material and practicing concepts through sample problems
- Conduct office hours to assist students with projects and exam preparations

SERVICENOW | Software Engineering Intern
Summer 2021 | Santa Clara, CA (Remote)
- Improved agent Linux installation of some configuration items to better support the upgrade scenario through the bash script
- Designed automated tests for the Agent Client Collector using JUnit
- Created scripts that use JavaScript and SQL queries to add to ServiceNow's Data Analysis Reports

PROJECTS

SCALABLE SEARCH ENGINE
Winter 2021
- Built a scalable search engine that uses PageRank and HITS algorithm
- Created a MapReduce server in Python that is a single machine, multi-process, multi-threaded server that executes user-submitted MapReduce jobs
- Implemented with MapReduce so it can distribute the workload for our Inverted-Index Server using Python, HTML, SQL and Hadoop

INSTAGRAM CLONE
Winter 2021
- Simulated social network experience with ReactJS to provide visually appealing client-side dynamic pages
- Utilized Flask and python to render server-side dynamic pages and REST APIs

FIXMYCAR MOBILE APP
Winter 2021
- Worked on MVP of mechanic mobile app version for client Fixmycar.io using React Native and TypeScript
- Implemented mechanic's upcoming job dashboard, using calls to client's API to mark up the calendar based on selected filters